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OXC 4593  
Copy 7 of 7

7 MAR 1963

MEMORANDUM FOR: Assistant Director, OSA

SUBJECT: OXCART Range Study

1. This memorandum contains recommendations for the approval of the Assistant Director, OSA. Such recommendations are contained in paragraph "5".

2. A current study of OXCART vehicle operational ranges and employment has been completed using the latest performance information available, and applying minimum practical fuel reserves. As can be noted, the actual total effective operational ranges are reduced somewhat from the figures which have been generally quoted and used for illustrative purposes. Depending upon circumstances, this range reduction varies from approximately 131 N.M. up to 498 N.M., and is attributable primarily to (1) planned reserves over destination, and (2) fuel consumption during unsuccessful but attempted refuelings and the resultant emergency landing necessitated.

3. The details of range calculations, plus a summary which illustrates the difference between LAC's stated capability and the figures which represent effective operational capabilities, after applying certain safety of flight considerations, are included. The latter data will be used to update our operational planning which will require some adjustments in present route structure and quite possibly minor (hopefully) revisions in operational concepts.

4. A considerable amount of advance coordination with the LAC aerodynamicist was accomplished [ ] by both [ ] and headquarter's flight planners to insure that published performance charts were being used properly. However, these profiles should be critically examined by

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DOCUMENT NO. 163  
NO CHANGE IN CLASS. ☐  
☐ DECLASSIFIED  
CLASS. CHANGED TO: TS S  
APPROVED BY: 11/02/82  
REVIEWER: [ ]

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the people who are most familiar with both the aircraft and its performance characteristics.

5. a. Recommend that these range figures which are illustrated on attached photographs be forwarded to LAC by the Developments Division for their review.

b. Recommend that the importance of insuring timely notices of any significant changes to this planning data, to project operations staff personnel, be emphasized.



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Chief, Operations Division, OSA

The recommendations contained in paragraph 5 are approved:



JACK C. LEDFORD  
Colonel USAF  
Assistant Director  
(Special Activities)

Attachments - 18  
Range Profile Photos (OXC 4594)

OSA/OD/OXC/ (5 Mar 63)

Distribution:

- #1 - OSA/C/OD, w/o atts
- #2 - AD/OSA, w/o atts
- #3 - OSA/EO, w/o atts
- #4 - OSA/DD, w/atts
- #5 - OSA/OD/OXC, w/o atts
- #6 - OSA/OD/OXC (Chrono), w/o atts
- #7 - OSA/RB, w/o atts

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